



# Missouri Department of NATURAL RESOURCES

Michael L. Parson, Governor

dnr.mo.gov

Dru Buntin, Acting Director

July 26, 2021

Russell L. Crane  
Volkswagen Environmental Mitigation Trust  
c/o Wilmington Trust, N.A. as Trustee  
1100 North Market Street  
Attn: Capital Markets & Agency Services  
Wilmington, DE 19890

Dear Russell Crane:

The Missouri Department of Natural Resources has enclosed the information necessary to complete the semi-annual reporting requirement found in paragraph 5.3 of the Volkswagen Environmental Mitigation Trust Agreement for State Beneficiaries. The Department has collected the data relevant to reporting requirements for the six-month period of January 1, 2021, to June 30, 2021.

Thank you for attention to this matter. If you have any questions regarding this submission, please contact Emily Wilbur with the department's Air Pollution Control Program at P.O. Box 176, Jefferson City, MO 65102 or by phone at (573) 751-7840 or by email at [emily.wilbur@dnr.mo.gov](mailto:emily.wilbur@dnr.mo.gov).

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Darcy A. Bybee  
Director

DAB:jjc

Enclosure



Environmental Mitigation Trust Agreement for State Beneficiaries:  
Semi-Annual Report

Reporting Period:  
January 1, 2021, through June 30, 2021

Submitted on July 26, 2021  
Missouri Department of Natural Resources

### **Category 1: School Buses: EMA 2**

The Department solicited applications from school districts and private bus contractors in March of 2020, extended the application period through May 2020 due to COVID-19 concerns, selected awardees through a lottery system, and in June 2020 notified the awardees of their funding. In July 2020, 44 awardees accepted the awards, totaling 69 projects, with an estimated cost-share of \$3,131,231.75. The Department disburses the awarded amounts only upon completion of each project. Of the 69 projects, 67 projects are complete and payments disbursed. The two remaining awarded projects are in progress. A project is complete when the new bus delivered, the old bus disabled, and proof of payment verified.

### **Category 2: Government Owned Medium and Large Trucks: EMA 6, EMA 1**

The Department opened the Category 2 application period from March thru May 2020 and selected the highest scoring projects for funding. The Department used a ranking system based on NOx reduction, cost-effectiveness, and area of operation, and awarded 25 projects totaling \$1,139,315.33. The Department disburses the awarded amounts only upon completion of each project. Of the 25 projects awarded, 20 projects are now complete and payments disbursed. A project is complete when the new truck delivered, the old truck disabled, and proof of payment verified.

### **Category 3: Transit and Shuttle Buses: EMA 2**

The Department opened the Category 3 application period in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx reduction, cost-effectiveness, and area of operation. The Department did not receive any applications in this category during the 2020 application period. A project is complete when the new bus delivered, the old bus disabled, and proof of payment verified.

### **Category 4: Nongovernment Owned Medium and Large Trucks: EMA 6, EMA 1**

The Department opened the Category 4 application period in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx reduction, cost-effectiveness, and area of operation. The Department awarded 48 projects totaling \$1,496,440.25. The Department disburses the awarded amounts only upon completion of each project. Of the 48 projects, 14 of these projects are now complete and payments disbursed. A project is complete when the new truck delivered, the old truck disabled, and proof of payment verified.

### **Category 5: Locomotive and Marine: EMA 3, EMA 4**

The Department opened the Category 5 application period in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx reduction, cost-effectiveness, and area of operation. This category includes EMA 3 for switch locomotives and EMA 4 for marine engine repowers; however, the air program did not receive any applications for projects falling under EMA 3. The Department awarded one EMA 4 project for \$580,000. The project is in progress and thus, no payments disbursed. A project is complete when the new engines installed, old engines disabled, and proof of payment verified.

#### **Category 6: Airport and Cargo Handling Equipment: EMA 7, EMA 8**

The Department opened the Category 6 application period in March 2020, extended it through May 2020 due to COVID-19 concerns, and selected the highest scoring projects for funding using a ranking system based on NOx reduction, cost-effectiveness, and area of operation. This category includes EMA 7 for airport ground support equipment and EMA 8 for forklifts and port cargo handling equipment; however, the air program did not receive any applications for projects falling under EMA 7. The Department awarded one EMA 8 project for \$127,725 but the awardee declined the award. A project is complete when the new vehicle delivered, the old vehicle disabled, and proof of payment verified.

#### **Category 7: DERA Option: EMA 10**

The Department opened Category 7's application period in October 2019 and selected projects by lottery, with a preference for projects that did not qualify for other Volkswagen Trust Categories but qualified for DERA grants. In August 2020, the Department awarded three projects totaling \$52,068.75. All three projects are now complete and payments disbursed. A project is complete when the new vehicle delivered, the old vehicle disabled, and proof of payment verified.

The Department accepted applications for the DERA State Grants Program from December 1, 2020 through January 15, 2021. The selected projects include replacements and repowers of nonroad equipment and school bus replacements. In February 2021, the Department awarded 28 projects totaling \$803,136.75. The Department disburses the awarded amounts only upon completion of each project.

#### **Category 8: EV Charging Station: EMA 9**

The Department accepted applications from July 15, 2020 through October 15, 2020. This funding period is for the installation of direct current fast chargers (DCFC) at specific locations to work toward the stakeholder goal of creating a minimum practical highway-charging network. In December 2020, the Department awarded nine projects totaling \$1,746,453.55. The Department disburses the awarded amounts only upon completion of each project. A project is complete when the charging station is installed, available for public use, and proof of payment verified. One project is complete and payment disbursed.

Category 1: School Buses	Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>		<b>Diesel, Electric</b>				
<b>School Buses: Category 1</b>	\$1,393,708.00	Diesel, Electric, Propane	33	67.051		\$1,391,170.75

Category 2: Government Owned Trucks (Class 4-8)	Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>		<b>diesel</b>				
<b>Medium (Class 4-7)</b>	50% Cost Share Replacement	\$157,675.29	Diesel	2	5.703	\$882,865.69
<b>Large (Class 8)</b>	50% Cost Share Replacement	\$1,536,391.49	Diesel	23	21.651	\$256,449.64

Category 3: Transit Buses, Shuttle Buses	Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>						
<b>Transit Buses</b>	50% Cost Share Replacement	\$0	-	-	-	\$0

Category 4: Nongovernment Owned Trucks (Class 4-8)		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>							
<b>Medium (Class 4-7)</b>	25% Cost Share Replacement	\$0	Diesel, Propane	-	-	-	\$0
<b>Large (Class 8)</b>	25% Cost Share Replacement	\$545,848	Diesel	16	198.874		\$545,847.75

Category 5: Locomotive and Marine		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>							
<b>Marine Repowers</b>	40% Cost Share Repower	\$183,558	Diesel	1	81.45	\$580,000.00	\$183,557.78

Category 6: Airport and Cargo Equipment		Allocation From Trust	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>							
<b>Cargo Equipment</b>	50% Cost Share Replacement	\$0	All-electric	1	19.157	\$127,725.00	\$0

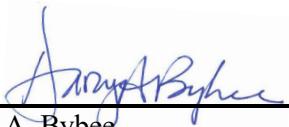
Category 7: DERA Option	Allocation From Trust	New Fuel Type	Awarded Vehicles	Disbursed Vehicles/Equipment	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>		<b>Diesel, Electric</b>					
<b>Nonroad Equipment</b>	\$64,750.00	Diesel	3				\$64,750
<b>School Buses</b>		Diesel, Gasoline					

Category 8: EV Charging Stations	Allocation From Trust	New Fuel Type	Awarded Infrastructure	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>						
Charging Stations	\$187,344	All-electric	1		\$187,343.38	\$187,343.38

Eligible Mitigation Actions	Category	Allocation From Trust	Awarded Applications	New Fuel Type	Awarded Vehicles	Est. Lifetime NO <sub>x</sub> Reduction (tons)	Funding Awarded	Funding Disbursed
<b>Total:</b>		<b>\$4,069,274.78</b>		Diesel, Propane, Electric				<b>\$4,542,280.36</b>
EMA 1		\$2,082,239.49		Diesel, Propane, Electric				\$2,557,783.16
EMA 2		\$1,393,708.00		Diesel				\$1,391,170.75
EMA 4		\$183,558.00		Diesel				\$183,557.78
EMA 6		\$157,675.29		Diesel				\$157,675.29
EMA 8		\$0		All-Electric				\$0
EMA 9		\$187,344.00		All-Electric				\$187,343.38
EMA 10		\$64,750.00		Diesel				\$64,750

Eligible Mitigation Action	Allocation from Trust	Administrative Costs
<b>Total:</b>	\$84,500	\$66,614.21
EMA 1:		\$13,161.49
EMA 2:	\$46,000	\$32,869.26
EMA 3:		\$1,395.02
EMA 4:	\$3,500	\$2,190.25
EMA 6:		\$32.26
EMA 7:		\$1,184.27
EMA 8:		\$0
EMA 9:	\$35,000	\$15,781.66
EMA 10:		\$0

This information is true and correct and the submission is made under penalty of perjury.



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Darcy A. Bybee  
Air Pollution Control Program Director